

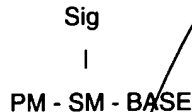
PLEASE AMEND THIS APPLICATION AS FOLLOWS:

In the Claims:

Amend claims 238, 239, 240, 241, 264, 270, 271, 272, 273, 274, 304, 308, 309, 310, 311, 312, 336 and 337 as follows:

238. (Amended) An oligo- or polynucleotide comprising at least one nucleotide having the formula

Sub
K'



wherein PM is a phosphate moiety, SM is a [ribose or a deoxyribose] sugar moiety, and BASE is a pyrimidine, purine or 7-deazapurine moiety, said PM being covalently attached to SM [at a position independently selected from the 2', 3' and 5' positions of SM when said nucleotide is a ribonucleotide, and at a position independently selected from the 3' and 5' positions when said nucleotide is a deoxyribonucleotide], said BASE being covalently attached to the 1' position of SM from the N¹ position when BASE is a pyrimidine or the N⁹ position when BASE is a purine or 7-deazapurine, and said Sig is a detectable moiety covalently attached to SM directly or through a linkage group.

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239. (Amended) The oligo- or polynucleotide in accordance with claim 238 wherein Sig is attached to the C2' or the C3' or the C5' position of SM.

240. (Amended) [An] The oligo- or [polydeoxyribonucleotide] polynucleotide in accordance with claim 238 wherein said nucleotide comprises a deoxyribonucleotide or a dideoxyribonucleotide.

241. (Amended) [An] The oligo- or [polyribonucleotide] polynucleotide in accordance with claim 238 wherein said nucleotide comprises a ribonucleotide.

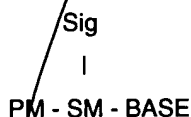
Claim 264, line 1, change "An" to -- The -- .

270. (Amended) The oligo- or [polydeoxyribonucleotide] polynucleotide in accordance with claim 240 wherein said Sig comprises a moiety which is detectable when said [nucleotide] deoxyribonucleotide or dideoxyribonucleotide is incorporated with, contained in or associated with an oligo- or polynucleotide.

271. (Amended) The oligo or [polyribonucleotide] polynucleotide in accordance with claim 241 wherein said Sig comprises a moiety which is detectable when said [ribonucleotide] nucleotide is incorporated with, contained in or associated with an oligo- or polynucleotide.

272. (Amended) A nucleotide having the formula

Sub K²



52 wherein PM is a phosphate moiety, SM is a [ribose or a deoxyribose] sugar moiety, and BASE is a pyrimidine, purine or 7-deazapurine moiety, said PM being covalently attached to SM [at a position independently selected from the 2', 3' and 5' positions of SM when said nucleotide is a ribonucleotide, and at a position independently selected from the 3' and 5' positions when said nucleotide is a deoxyribonucleotide], said BASE being covalently attached to the 1' position of SM from the N¹ position when BASE is a pyrimidine or the N⁹ position when BASE is a purine or 7-deazapurine, and said Sig is a detectable moiety covalently attached to SM directly or through a linkage group.

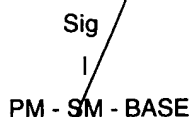
273. (Amended) The nucleotide in accordance with claim 272, wherein Sig is attached to the C2' or the C3' or the C5' position of SM.

274. (Amended) The nucleotide in accordance with claim 272, comprising a deoxyribonucleotide or a dideoxyribonucleotide.

53 304. (Amended) The nucleotide in accordance with claim 274 wherein said Sig comprises a moiety which is detectable when said deoxyribonucleotide or said dideoxyribonucleotide is incorporated with, contained in or associated with an oligo- or polynucleotide.

308. (Amended) A composition comprising a polymeric compound having attached directly or indirectly [to] thereto at least one nucleotide having the formula

Sub K³



wherein PM is a phosphate moiety, SM is a [ribose or a deoxyribose] sugar moiety, and BASE is a pyrimidine, purine or 7-deazapurine moiety, said PM being covalently attached to SM [at the 2', 3' or 5' position of SM when said nucleotide is a ribonucleotide, and at the 3' or 5' position when said nucleotide is a deoxyribonucleotide], said BASE being covalently attached to the 1' position of SM from the N¹ position when BASE is a pyrimidine or the N⁹ position when BASE is a purine or 7-deazapurine, and said Sig is a detectable moiety covalently attached to SM directly or through a linkage group.

309. (Amended) The composition according to claim 308, wherein the Sig is attached to the C2' or the C3' or the C5' position of SM.

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310. (Amended) The composition according to claim 308, wherein the nucleotide [comprising] comprises a deoxyribonucleotide or a dideoxyribonucleotide.

311. (Amended) The composition according to claim 308, wherein the nucleotide [comprising] comprises a ribonucleotide.

312. (Amended) The composition according to claim 308, wherein Sig [comprise] comprises a moiety containing at least 3 carbon atoms.

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336. (Amended) The composition according to claim [308] 310, wherein said Sig comprises a moiety which is detectable when said deoxyribonucleotide or dideoxyribonucleotide is incorporated with, contained in or associated with an oligo- or polynucleotide.

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Page 5 (Amendment Under 37 C.F.R. §1.115 - April 29, 1997)

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cont.

337. (Amended) The composition according to claim [309] 311 wherein said Sig comprises a moiety which is detectable when said ribonucleotide is incorporated with, contained in or associated with an oligo- or polynucleotide.

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